#### **PATENT COOPERATION TREATY**

From the INTERNATIONAL SEARCHING AUTHORITY	PCT			
To: N.J. AKERS & CO. Attn. Akers, Noel James Grey Friars, Spring Road Harpenden Hertfordshire AL5 3PP	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION			
UNITED KINGDOM				
	(PCT Rule 44.1)			
	Date of mailing (day/month/year) 23/06/2005			
Applicant's or agent's file reference				
K20122PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/GB2004/004145	International filing date (day/month/year) 28/09/2004			
Applicant				
KCC GROUP LIMITED				
The applicant is hereby notified that the international search     Authority have been established and are transmitted herewiten.				
Fiting of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim When? The time limit for filing such amendments is norn	s of the International Application (see Rule 46):			
International Search Report; however, for more	details, see the notes on the accompanying sheet.			
Where? Directly to the International Bureau of WIPO, 34 1211 Geneva 20, Switzerland, Fa	scimile No.: (41-22) 740.14.35			
For more detailed instructions, see the notes on the account				
The applicant is hereby notified that no international search     Article 17(2)(a) to that effect and the written opinion of the In	ternational Searching Authority are transmitted herewith.			
3. [ ] With regard to the protest against payment of (an) addition	nal fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.  no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.				
4. Reminders				
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.				
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.				
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.				
In respect of other designated Offices, the time limit of <b>30 months</b> . (or later) will apply even if no demand is filled within 19 months.				
See the Annex to Form PCT/iB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.				
I and the state of	Authorized officer			
Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentlaan 2				
NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Véronique Baillou			

### PATENT COOPERATION TREATY

### **PCT**

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220			
	ACTION	as well as, where applicable, item 5 below.			
International application No.	international filing date (daytmonth	•			
	28/09/2004	29/09/2003			
PCT/GB2004/0041.45					
Applicant					
KCC GROUP LIMITED					
This international Search Report has according to Article 18. A copy is being	peen prepared by this International Sear gransmitted to the international Bureau	ehing Authority and is transmitted to the applicant  .			
This International Search Report 5978	ists of a total ofsh	pets.			
It is also accompanies	t by a copy of each prior art document o	ted in this report.			
Basis of the report     With regard to the language, involute in which it was high	the international search was carried out unless otherwise indicated under this li	on the basis of the international application in the iom.			
The Internation	inel search was carried out on the basis (Rule 23.1(b)).	of a translation of the international application furnished to			
b. With regard to any m	icleotide and/or amino acid sequence	disclosed in the international application, see Box No. I.			
2. Certain claims were	2. Certain cisims were found unexarchable (See Box !!).				
3. X Unity of invention is	: lacking (see Box III).				
4. With regard to the little.					
X the text is approved:	ss submitted by the applicant.	•			
the text has been es	ablished by this Authority to read as follows:	ows:			
s use many to the shateast.					
5. With regard to the abatract, the text is approved	as submitted by the applicant.				
the text is approved as submitted by filling to Rule 38.2(b), by this Authority as It appears in Box No. IV. The applicant the text has been established, according to Rule 38.2(b), by this Authority as It appears in Box No. IV. The applicant the text has been established, according to Rule 38.2(b), by this Authority as It appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.					
may, within one mo	I(E NOW THE DEED 3) THOUSAND OF WHIS HIRDE				
6. With regard to the drawings					
a. the figure of the drawings to	o be published with the abstract is Figur	• No			
Y as supprest	id by the applicant.				
as selected	by this Authority, because the applican by this Authority, because this figure be	tranco lo auguma a menos etter charactorizes the invention.			
	by this Authority, bacause this right to be published with the abstract.				
b none of the rigures					

Form PCT/ISA/210 (first sheet) (January 2004)

# INTERNATIONAL SEARCH REPORT

international application No. PCT/GB2004/004145

Pov II	Observations where o	ertain claims were found unsearchable (Continuation of item 2 of first sheet)
		s not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos : bacouse they relate to sub	ect matter not required to be searched by this Authority, namely:
2.	Cigims Nos.: because they relate to par an extent that no meaning	ts of the International Application that do not comply with the prescribed requirements to such ful International Search can be carried out, specifically:
з. [	Claims Nos.: because they are depend	ent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where	nity of invention is lacking (Continuation of item 3 of first sheet)
		try found multiple inventions in this international application, as follows:
	see additional	sheet
1. [	As all required additional sastrobable claims.	search fees were timely paid by the applicant, this International Search Report covers all
2. [	As all searchable claims of any additional fee.	could be searched without effort justifying an additional lied, this Authority did not invite payment
3.	As only some of the required covers only those claims	ited additional search fees were timely paid by the applicant, this International Search Report for which fees were paid, specifically plaims Nos.:
4 X	No required accidental stressricted to the Invention 1-4, 11, I2	earch fees were timely paid by the applicant. Consequently, this International Search Report is It is manifold in the claims; it is covured by claims Nos.:
Rema	rik on Protest	The additional search fone were accompanied by the applicance protest.  No protest accompanied the payment of additional search foes.

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-4,11,12

Apparatus comprising a solvent and/or a solute inlet having a fluidising unit which creates a vortex in the solvent and/or solute, in particular su table for the leaching of ore.

2. claim: 5

Apparatus comprising a solvent and/or a solute inlet having a fluidising unit which creates a vortex in the solvent and/or solute, in particular su table for dissolving salt (solute) in water (solvent).

3. claims: 6-8

Apparatus comprising a solvent and/or a solute inlet having a fluidising unit which creates a vortex in the solvent and/dr solute, in particular suitable for use with edible or potable solute in the food and drink industries.

4. claims: 9-10

Apparatus comprising a solvent and/or a solute inlet having a fluidising unit which creates a vortex in the solvent and/dr solute, in particular suitable for pressurised treatment of seeds prior to sowing.

	INTE	ERNATIONAL SEARCH	REPOR	International Applic	astan No	
				PCT/GB2004/004145		
A CLASSIFI IPC 7	BO1F5/00	C2283/02 B01F3/	12			
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C. DOCUM	NTS CONSIDERED TO	E RELEVANT				
Category"	Citation of document, wit	Indication, where appropriate, of the	s valonsu, trans	ages	Relavant to cisim No.	
×	US 4 053 14 11 October figure 2; a	2 A (JOHANNES ET AL 1977 (1977-10-11) obstract	.)		1,2,11, 12	
х	EP 0 498 02 12 August 1 figure 1; 0	A A (ERWIN MUELLER 992 (1992-08-12) laim 1	GMBH)		1-3	
A	12 March 19	C (SOCIEDAD MINERA 28 (1928-03-12) 39 1, lines 1-9	"CUPRUM	)	1-4,11	
A	US 6 368 31 9 April 200 figure 3	B1 B1 (KING JAMES A D2 (2002-04-09)	-/		1-4,11	
X Fun	ner documents are lead i	n ne pantinussian of box C.	X	Patent family members are listed	in annex.	
**Special categories of clied documents:  **A' document defining the general state of the last which is not considered to be of particular reference.  **E' spriter document but published on at either the "international lifting date.  **C' document which may throw doubts on griphry claim(s) or which is ched to establish the publication may of another citation or other special reason (as specified).  **O' document of particular relevance: the claimed invention carried be considered novel of commot be considered to involve an invention citation or other special reason (as specified).  **O' document of particular relevance: the claimed invention carried be considered to involve an invention state and not involve an inventive step when the complete of to involve an inventive step when the document of particular relevance: the claimed invention carried be considered to involve an inventive step when the complete of to involve an inventive step when the complete of to involve an inventive step when the complete of the involve and invention and the problemation of the invention.  **O' document of particular relevance: the claimed invention carried be considered to involve an invention of carried be considered to involve an invention and the step when the carried be considered to involve an invention of carried be completed with one or more other.  **O' document of particular relevance: the claimed invention invention or carried be considered to involve an invention or carried be considered						
1	22 February 26	1		23.06.05		
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# INTERNATIONAL SEARCH REPORT International Application No PCT/GB2004/004145 C.(Continuation) DOCUMENTS CONSIDERED TO SE RELEVANT ficievant lo claim No. Caregory Circuion of document, with indication, where appropriate, of the relevant paneages 1-4,11 US 4 298 37 A (SZEKELY ET AL) 3 November 1981 (1981-11-03) claim 1; figures WD 03/101868 A (DYNAMIC PROCESSING SOLUTIONS PLC; DELVES, JAMES, EDWARD; 1 X,P YOUNG, NEIL! 11 December 2003 (2003-12-11) figures 1 and 2

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## INTERNATIONAL SEARCH REPORT

information on patent family mombers

PCT/GB2004/004145

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